BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

KODIGEHALLI SUB DIVISION

Name of the Work :- Resetting of Chainlink Fencing implimentaion of rainwater harvesting and implimentaion to park at Tatanagar park in ward No.8

Eatimated Cost : 25.00 Lakhs

Job Code : 008-17-000059

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Name of Work: Resetting of Chainlink Fencing implimentaion of rainwater harvesting and implimentaion to park at Tatanagar park in ward No.8

Job Code:- 008-17-000059

Estimate cost-25.00 Lakhs

Sl. No	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.143, I.No.19.1 of PW, P&IWTD SR 2018-19)								
	~~Sathish Dhawan Park~~								
	Chainlink Fencing	Cum							
	Gym Platform		1	20.00	11.00	0.20	44.00		
	Gym Platform Footpath		1	30.00	3.00	0.15	13.50		
							57.50	252.49	**14518.29**
	A.Basic rate	**130.00**							
	B.Loading and unloading with 20km lead= 57+2.0x1.28x20 = 108.2	**108.20**							
	C (Area Weightage 6%)	**14.29**							
	Total	**252.49**							
2	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(Page No : 16, item No : 4.28)								
	Sathish Dhawan Park								
	Chainlink Fencing	Sqm							
	Post for New Fencing	2	22	0.45		0.30	5.94		
							5.94	273.48	**1624.47**
	A.Basic rate	**258.00**							
	B.Area Weightage 6%	**15.48**							
	Total	**273.48**							
3	Providing and laying in position plain cement concrete of Mix CC 1:4:8 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.13, Item No.4.3)								
	Sathish Dhawan Park								
	Bed Concrete	Cum							
	Gym Platform		1	20.00	11.00	0.20	44.00		
							44.00	5408.12	**237957.28**
	A.Basic rate	**5102.00**							
	B.Area Weightage 6%	**306.12**							
	Total	**5408.12**							
4	Providing and fixing cement base precast, pre-polished cement concrete designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mix finished with flush pointing using white cement, including cost of materials, including cutting, gridding the edge to half/full round wherever required, labour curing complete as per specification. (P.112, I. No.14.62)								
	Sathish Dhawan Park								
	Bed Concrete	Sqm							
	Gym Platform		1	20.00	11.00		220.00		
							220.00	1305.92	**287302.40**
	A.Basic rate	**1232.00**							
	B.Area Weightage 6%	**73.92**							
	Total	**1305.92**							
5	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.43 cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation and plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.(P.No.13, I.No. 4.5 of PWD SR 2018-19)								
	Sathish Dhawan Park								
	Coping	Cum							
	Chainlink Fencing								

No	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
	Posts for New Fencing		22	0.45	0.45	0.10	0.45		
							0.45	5647.68	2541.46
	A.Basic rate	**5328.00**							
	B.Area Weightage 6%	**319.68**							
	Total	**5647.68**							
6	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (P.No.266 I.No.37.2 of PW,P&IWTD SR of 2018-19)								
	Sathish Dhawan Park								
	Chain Link Fancing	m							
			22	2.50	--	--	55.00		
							55.00	910.54	50079.70
	A.Basic rate	**859.00**							
	B.Area Weightage 6%	**51.54**							
	Total	**910.54**							
7	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (P.No.266 of I.No.37.3 in PW,P&IWTD S.R 2018-19)								
	Sathish Dhawan Park								
	Chain Link Fancing	Sqm							
			1	44.00	--	2.50	110.00		
							110.00	757.90	83369.00
	A.Basic rate	**715.00**							
	B.Area Weightage 6%	**42.90**							
	Total	**757.90**							
8	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. (P.No.266 I.No.37.4 of PW,P&IWTD SR of 2018-19)								
	Sathish Dhawan Park								
	Chain Link Fancing	m							
		1	3	44.00	--	--	132.00		
							132.00	432.48	57087.36
	A.Basic rate	**408.00**							
	B.Area Weightage 6%	**24.48**							
	Total	**432.48**							
9	KSRRB M800-7. Painting:-Providing and applying two coats of ready- mix paint of approved brand after through cleaning of surface to give an even shade complete as per specifications. MORTH Specification No. 803 Painting on Steel Surface(P.No.181, I.No24.8.1 of PW,P&IWTD S.R 2018-19))								
	Sathish Dhawan Park								
	For Posts of Grill	Sqm							
	Painting for existing Chain Link fencing- 30% of area considered for paint		2	125.00		2.00	150.00		
			2	75.00		2.00	90.00		
	Pond Grill-40% of area considered for paint		2	153.00		1.00	122.40		
	Painting for existing Chain Link fencing- 30% of area considered for paint						108.72		
	Gate Paint		1	7.00		3.00	21.00		
	Pergola Painting (30sqm per Pergola Area)		1	30.00			30.00		
	railing paint		1	3.00			3.00		
							525.12	76.32	40077.16
	A.Basic rate	**72.00**							

No	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
	B.Area Weightage 6%	**4.32**							
	Total	**76.32**							
10	*KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No.407 (P.No155 of I.No.20.20 in PW,P&IWTD SR 2018-19)*								
	Sathish Dhawan Park								
	For Cobble Stone Footpath	*cum*							
			1	*70.00*	*2.50*	*0.10*	*17.50*		
	Gym Platform Footpath		*1*	*52.00*	*3.00*	*0.10*	*15.60*		
	Gym Platform		*1*	*20.00*	*11.00*	*0.10*	*22.00*		
							55.10	*221.54*	***12206.85***
	A.Basic rate	**209.00**							
	B.Area Weightage 6%	**12.54**							
	Total	**221.54**							
11	*KSRB 14.6-1: Providing & laying heavy duty cobble stones 60mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.No 103 of I.No.14.6 in PW P&IWTD SR 2018-19)*								
	Sathish Dhawan Park								
	For Cobble Stone Footpath	*Sqm*							
			1	*70.00*	*2.50*		*175.00*		
	Gym Platform Footpath		*1*	*52.00*	*3.00*		*156.00*		
							331.00	*1116.18*	***369455.58***
	A.Basic rate	**1053.00**							
	B.Area Weightage 6%	**63.18**							
	Total	**1116.18**							
12	*Removing and resetting of kerb stones(P.No.270, I.No.37.57 of PW,P&IWTD SR 2018-19)*								
	Sathish Dhawan Park								
	30% of old Kerbs Considered for R&R	*m*							
	Center Block 2		*2*	*21.00*			*42.00*		
			2	*7.80*			*15.60*		
	Pond Block 3		*2*	*20.70*			*41.40*		
			2	*19.50*			*39.00*		
	Auditoriume Side		*2*	*35.34*			*70.68*		
			2	*35.40*			*70.80*		
							279.48		
	Consider 30% Missing and Damaged Kerbs						*-167.69*		
							111.79	*104.94*	***11731.45***
	A.Basic rate	**99.00**							
	B.Area Weightage 6%	**5.94**							
	Total	**104.94**							
13	*Providing and fixing precast solid concrete kerb stones made out of CC. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete (P. No. 27 I. No.5.29.2 in PW P&IWTD SR 2018-19)*								
	Sathish Dhawan Park								
	New Kerbs	*No*							
	Statue Block 1		*2*	*65.00*			*289.00*		
			4	*75.00*			*667.00*		
	Gym Platform		*1*	*150.00*			*333.00*		
	Consider 30% Missing and Damaged Kerbs		*1*	*167.69*			*373.00*		
							1662.00	*467.46*	***776918.52***
	A.Basic rate	**441.00**							
	B.Area Weightage 6%	**26.46**							
	Total	**467.46**							
14	*KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No.180, I.No. 24.1 of PW,P&IWTD SR 2018-19)*								
	Sathish Dhawan Park								
	New Kerbs	*Sqm*							

No	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
	Statue Block 1		2	65.00		0.35	45.50		
			4	75.00		0.35	105.00		
	Gym Platform		1	150.00		0.35	52.50		
	Center Block 2		2	70.00		0.35	49.00		
			2	26.00		0.35	18.20		
	Pond Block 3		2	69.00		0.35	48.30		
			2	65.00		0.35	45.50		
	Auditoriume Side		2	117.80		0.35	82.46		
			2	118.00		0.35	82.60		
	Benchas Painting (4sqm per Bench surface area)		35	4.00			140.00		
							669.06	84.80	56736.29
	Basic rate	80.00							
	Area Weightage 6%	4.80							
	Final Rate	84.80							
15	Providing and making precast seating arrangement including excavation laying pcc M15, providing laying M20 concrete for pedestal and seating slab, fixing of seating slab including all necessary bolt and nuts etc, complete and as per the directions of Engineer in-Charge. (Data Rate)								
	Sathish Dhawan Park								
	Benches	Each	1	10.00	--	--	10.00	11785.00	117850.00
	Data Rate	11785.00							
16	Providing Rainwater harvesting pits for Parks								
	Sathish Dhawan Park								
	Rain water harvesting Pit	No's	1	4.00	--	--	4.00		
							4.00	21000.00	84000.00
							Total Construction Cost		2203455.81
							12% GST to Construction Cost		264414.70
17							Cost towards PMC / Third Party inspection LS		22035.00
18							18% GST to Cost towards PMC / Third Party inspection		3966.30
19							Sub Total		2493871.81
20							Miscellaneous and rounding off		6128.19
							Total		2500000.00
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Certificate.

1 The rates adopted based on the, BWSSB SR 2017-18, PRED SR 2012-13, RWS SR 2012-13, KPWD Electrical SR 14-15, PWD SR, Bangalore circle for year 2018-19.
2 The provisions made in the estimate are necessary and essential.
3 The workspot was inspected and work is found to be necessary.
4 The area comes within the Bruhat Bangalore Mahanagara Palike limits.

Assistant Engineer

Executive Engineer 01/02

Assistant Executive Engineer

Administrative Approval
Accorded For RS 25.w Parche only
Head of A/C 2178
CER NO : 160 Dt: 08.01.2019

TA CE (YNK)

Technical Sanction
Accorded For RS 25.w Parche only
Head of A/C 2178
CER NO : 242 Dt: 09.01.2019

TA CE (YNK)